

Control of Breathing

Breathing controlled by neural and chemical factors.

Neural Factors

- Respiratory center located in MEDULLA OBLONGATA
- \uparrow on CO_2 or \downarrow O_2 in the blood will trigger respiratory center
- PHRENIC NERVE – stimulates the diaphragm

Chemical Factors

- Depends on the levels of CO_2 in the blood (respiratory center in brain)
- Chemoreceptors in aorta and carotid arteries sensitive to the amount of blood O_2